

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/823,042 |
| Filing Date | April 13, 2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2434 2132 |
| Examiner Name | Minh Dinh |
| Attorney Docket Number | 43741-P001US |

Sheet 1 of 4

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| /MD/ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ | 1 | US- 4,027,243 | 05-31-1977 | Stackhouse, et al. | |
| | 2 | US- 4,393,269 | 07-12-1983 | Konheim, et al. | |
| | 3 | US- 4,477,809 | 10-16-1984 | Bose | |
| | 4 | US- 4,484,355 | 11-20-1984 | Henke, et al. | |
| | 5 | US- 4,530,051 | 07-16-1985 | Johnson, et al. | |
| | 6 | US- 4,545,071 | 10-01-1985 | Freeburg | |
| | 7 | US- 4,707,592 | 11-17-1987 | Ware | |
| | 8 | US- 4,709,136 | 11-24-1987 | Watanabe | |
| | 9 | US- 4,799,156 | 01-17-1989 | Shavit, et al. | |
| | 10 | US- 4,947,028 | 08-07-1990 | Gorog | |
| | 11 | US- 4,955,049 | 09-04-1990 | Ghisler | |
| | 12 | US- 5,020,093 | 05-28-1991 | Pireh | |
| | 13 | US- 5,053,606 | 10-01-1991 | Kimizu | |
| | 14 | US- 5,099,420 | 03-24-1992 | Barlow, et al. | |
| | 15 | US- 5,220,564 | 06-15-1993 | Tuch, et al. | |
| | 16 | US- 5,283,639 | 02-01-1994 | Esch, et al. Esch et al | |
| | 17 | US- 5,412,416 | 05-02-1995 | Nemirofsky | |
| | 18 | US- 5,426,427 | 06-20-1995 | Chinnock, et al. | |
| | 19 | US- 5,475,819 | 12-12-1995 | Miller, et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|------------------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| /MD/ ↓ ↓ ↓ ↓ ↓ ↓ | 20 | EP 0 248 403 B1 | 12-09-1987 | Masai, et al. | | |
| | 21 | EP 0 384 339 B1 | 08-29-1990 | Pitkin, et al. | | |
| | 22 | EP 0 421 808 B1 | 04-10-1991 | Charlton, et al. Mansvelt | | |
| | 23 | EP 0 479 660 B1 | 09-30-1991 | Miller, et al. | | |
| | 24 | EP 0 506 637 B1 | 09-30-1992 | Raith | | |
| | 25 | EP 0 501 967 B1 | 09-02-1992 | Fraser, et al. | | |
| | | | | | | |

Examiner
Signature

Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

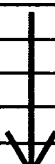
(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/823,042 |
| Filing Date | April 13, 2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2131 |
| Examiner Name | |
| Attorney Docket Number | 43741-P001US |

Sheet 2 of 4

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| /MD/ | 26 | US- 5,483,596 | 01-09-1996 | Rosenow, et al. | |
| | 27 | US- 5,600,364 | 02-04-1997 | Hendricks, et al. | |
| | 28 | US- 5,604,542 | 02-18-1997 | Dedrick, et al. | |
| | 29 | US- 5,638,513 | 06-10-1997 | Ananda | |
| | 30 | US- 5,655,077 | 08-05-1997 | Jones, et al. | |
| | 31 | US- 5,675,507 | 10-07-1997 | Bobo, II | |
| | 32 | US- 5,684,950 | 11-04-1997 | Dare, et al. | |
| | 33 | US- 5,689,638 | 11-18-1997 | Sadovsky | |
| | 34 | US- 5,721,780 | 02-24-1998 | Ensor, et al. | |
| | 35 | US- 5,802,304 | 09-01-1998 | Stone | |
| | 36 | US- 5,862,339 | 01-19-1999 | Bonnaure, et al. | |
| | 37 | US- 5,884,024 | 03-16-1999 | Lim, et al. | |
| | 38 | US- 5,889,958 | 03-30-1999 | Willens | |
| | 39 | US- 5,896,444 | 04-20-1999 | Perlman, et al. | |
| | 40 | US- 5,898,780 | 04-27-1999 | Liu, et al. | |
| | 41 | US- 5,898,839 | 04-27-1999 | Berteau | |
| | 42 | US- 5,913,040 | 06-15-1999 | Rakavy, et al. | |
| | 43 | US- 5,918,013 | 06-29-1999 | Mighdoll, et al. | |
| | 44 | US- 5,935,207 | 08-10-1999 | Logue, et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|---|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| /MD/ | 45 | EP 0 590 861 A2 | 04-06-1994 | Colbert | | |
|  | 46 | EP 0 650 307 B1 | 04-26-1995 | Obayashi | | |
| | 47 | EP 0 745 924 A2 | 04-12-1996 | Ensor | | |
| | 48 | EP 0 814 589 B1 | 12-29-1997 | Harwood, et al. | | |
| | 49 | GB 2 190 820 A | 11-25-1987 | Beker, et al. | | |
| | 50 | GB 2 289 598 A | 11-22-1995 | Pinard, et al. | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/823,042 |
| Filing Date | April 13, 2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2131 |
| Examiner Name | |
| Attorney Docket Number | 43741-P001US |

| | | | |
|-------|---|----|---|
| Sheet | 3 | of | 4 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| /MD/ | 51 | US- 5,940,074 | 08-17-1999 | Britt, Jr., et al. | |
| | 52 | US- 5,950,010 | 09-07-1999 | Hesse, et al. | |
| | 53 | US- 5,974,461 | 10-26-1999 | Goldman, et al. | |
| | 54 | US- 5,983,273 | 11-09-1999 | White, et al. | |
| | 55 | US- 6,023,585 | 02-08-2000 | Perlman, et al. | |
| | 56 | US- 6,023,698 | 02-08-2000 | Lavey, Jr., et al. | |
| | 57 | US- 6,026,079 | 02-15-2000 | Perlman | |
| | 58 | US- 6,061,798 | 05-09-2000 | Coley, et al. | |
| | 59 | US- 6,070,192 | 05-30-2000 | Holt, et al. | |
| | 60 | US- 6,073,168 | 06-06-2000 | Mighdoll, et al. | |
| | 61 | US- 6,128,663 | 10-03-2000 | Thomas | |
| | 62 | US- 6,134,590 | 10-17-2000 | Perlman | |
| | 63 | US- 6,138,119 | 10-24-2000 | Hall, et al. | |
| | 64 | US- 6,141,694 | 10-31-2000 | Gardner | |
| | 65 | US- 6,178,505 | 01-23-2001 | Schneider, et al. | |
| | 66 | US- 6,311,197 | 10-30-2001 | Mighdoll, et al. | |
| | 67 | US- 6,571,290 | 05-27-2003 | Selgas, et al. | |
| | 68 | US- 6,824,051 | 11-30-2004 | Reddy, et al. | |
| | 69 | US- 2004/0003139 A1 | 01-01-2004 | Cottrille, et al. | |

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| /MD/ | 70 | WO 86/03926 | 07-03-1986 | Smith, et al. | | |
| ↓ | 71 | WO 93/17529 | 09-02-1993 | Maenpaa | | |
| | 72 | WO 96/00485 | 01-04-1996 | Jonsson | | |
| | 73 | WO 97/07656 | 03-06-1997 | Barkat, et al. | | |
| | 74 | WO 97/09682 | 03-13-1997 | Kinkinis | | |
| | | | | | | |

**Examiner
Signature**

| | |
|------------|--|
| Date | |
| Considered | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/823,042 |
| Filing Date | April 13, 2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2131 |
| Examiner Name | |
| Attorney Docket Number | 43741-P001US |

Sheet

4

of

4

Attorney Docket Number

43741-P001US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Minh Dinh/

Date _____

Considered

09/07/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

Complete if Known

| | |
|------------------------|----------------------------|
| Application Number | 10/823,042 |
| Filing Date | 04/13/2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2131 2132 |
| Examiner Name | Not Yet Assigned Minh Dinh |
| Attorney Docket Number | 43741-P001US |

[illegible][illegible]

| | | | |
|-----------------------|--------------------|--------------------|--------|
| Examiner Signature | <i>Mark D. ...</i> | Date Considered | 9/7/07 |
|-----------------------|--------------------|--------------------|--------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/823,042 |
| Filing Date | April 13, 2004 |
| First Named Inventor | Vlad Pigin |
| Art Unit | 2134 2132 |
| Examiner Name | Minh Dinh |
| Attorney Docket Number | 683492-0009 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Minh Dinh/

Date
Considered

09/07/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.